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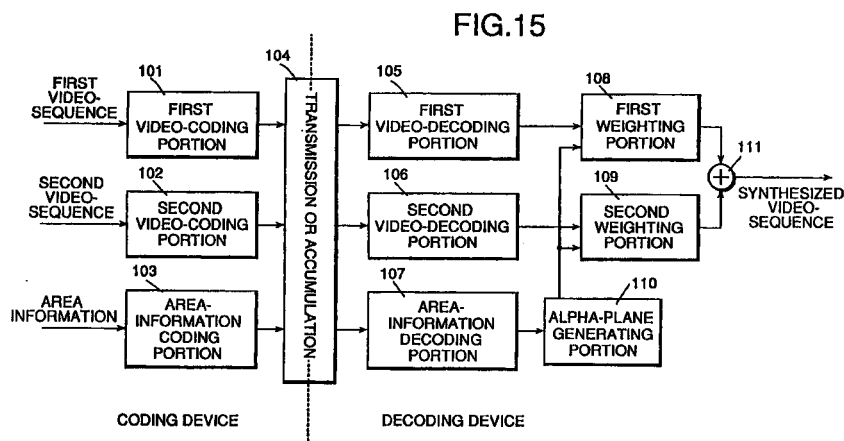
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(54) **Video coding device and video decoding device**

(57) A video coding device comprising: first coding means for coding a video sequence of a background; second coding means for coding a video sequence of at least a part of a front image; and area-information coding means for coding a binary area information representing a shape of a part video, characterized in that the device is further provided with a weight data preparing

means for preparing multivalued weighting data from the binary area-information and gives weight to each of the video sequence according to the weight data.

A corresponding decoding device is also provided.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 99 20 2513

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 634 872 A (SONY CORP) 18 January 1995 (1995-01-18) * abstract * * page 4, line 9 - line 16 * * page 5, line 15 - page 7, line 27 * * page 9, line 25 - page 11, line 14 * * page 12, line 37 - page 13, line 17 * * page 13, line 27 - line 28 * * page 15, line 54 - page 16, line 5 * * figures 5,12,13,16 * ---	1-7	H04N7/26
A	KATATA H ET AL: "TEMPORAL SCALABILITY BASED ON IMAGE CONTENT" INTERNATIONAL ORGANIZATION FOR STANDARDIZATION - ORGANISATION INTERNATIONALE DE NORMALISATION, XX, XX, July 1995 (1995-07), pages 1-2, XP000669194 * the whole document * ---	1-15	
A	SUN H ET AL: "MPEG VIDEO CODING WITH TEMPORAL SCALABILITY" PROCEEDINGS OF THE CONFERENCE ON COMMUNICATIONS (ICC), US, NEW YORK, IEEE, 18 June 1995 (1995-06-18), pages 1742-1746, XP000535047 ISBN: 0-7803-2487-0 * the whole document * -----	1-15	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 1 September 2000	Examiner Barel-Fauchoux, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 20 2513

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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01-09-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0634872 A	18-01-1995	JP 7079440 A	20-03-1995
		US 5706367 A	06-01-1998

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82